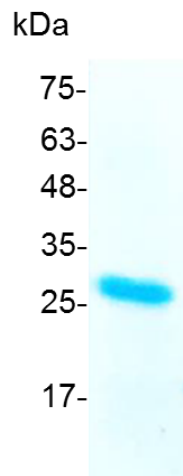


**FGF-21 (Fibroblast growth factor-21), Human**

v. 231001

<b>Catalog number</b>	C01111-5UG / C01111-20UG / C01111-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	<p>FGF-21 is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. FGF-21 is produced by hepatocytes in response to free fatty acid (FFA) stimulation of a PPARα/RXR dimeric complex. This situation occurs clinically during starvation, or following the ingestion of a high-fat/low-carbohydrate diet. Upon FGF-21 secretion, white adipose tissue is induced to release FFAs from triglyceride stores. Once FFAs reach hepatocytes, they are oxidized and reduced to acetyl-CoA.</p>
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	<p>MHPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSPESL          LQLKALKPGVIQILGVKTSRFLCQRPDGLYGSLSHFDPEACSFRELLLEDGYNV          YQSEAHGLPLHLPGNKSPHRDPAPRGPAPRFLPLPGLPPALPEPPGILAPQPPD          VGSSDPLSMVGPSQGRSPSYAS with polyhistidine tag at the C-terminus</p>
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to induce proliferation in BaF3 cells transfected with human FGFR3c. The ED <sub>50</sub> for this effect is <0.4 µg/mL.
<b>Purity</b>	>98% as determined by SDS-PAGE.
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Stability &amp; Storage</b>	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> <li>-20°C for 12 months in lyophilized state from date of receipt.</li> <li>-20°C or -80°C for 1 month under sterile conditions after reconstitution.</li> </ul> <p>Avoid repeated freeze/thaw cycles.</p>



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SDS-PAGE analysis of recombinant human FGF-21

*For research use only.*